

PTO/SB/08A (10-01)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute Trademark 49A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet **1** of **3****Complete if Known**

Application Number	09/766,922
Filing Date	January 22, 2001
First Named Inventor	Robert M. Hussey
Art Unit	2626
Examiner Name	Jerome Grant II
Attorney Docket Number	283-280

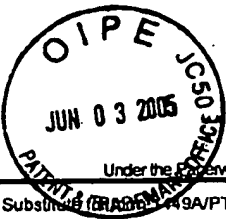
U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-Patent Application No. 10/982,393. Filed November 5, 2004. Attorney Docket No.: 283 438.	Filed November 5, 2004	Biss et al.	Not Examined Yet
	AB	US-Patent Application No. 10/938,416. Filed September 10, 2004. Attorney Docket No. 283 419.	Filed September 10, 2004	Fitch et al.	Not Examined Yet
	AC	US-4,210,802	07-01-1980	Sakai	
	AD	US-4,315,245	02-09-1982	Nakahara et al.	
	AE	US-4,488,678	12-18-1984	Hara et al.	
	AF	US-4,488,679	12-18-1984	Bockholt et al.	
	AG	US-4,500,776	02-19-1985	Laser	
	AH	US-4,538,060	08-27-1985	Sakai et al.	
	AI	US-4,610,359	09-09-1986	Muller	
	AJ	US-4,757,057	07-12-1988	Fussi et al.	
	AK	US-4,877,949	10-31-1998	Danielson et al.	
	AL	US-4,942,474	07-17-1990	Akimoto et al.	
	AM	US-5,153,421	10-06-1992	Tandon et al.	
	AN	US-5,311,001	05-10-1994	Joseph et al.	
	AO	US-5,319,185	06-07-1994	Obata	
	AP	US-5,345,266	09-06-1994	Denyer	
	AQ	US-5,504,524	04-02-1996	Lu et al.	
	AR	US-5,637,431	07-18-1996	Chen et al.	
	AS	US-5,545,886	08-13-1996	Metitsky et al.	
	AT	US-5,610,387	03-11-1997	Bard et al.	
	AU	US-5,663,549	09-02-1997	Katz et al.	
	AV	US-5,723,823	03-03-1998	Bell	
	AW	US-5,774,357	06-30-1998	Hoffberg et al.	
	AX	US-5,875,108	02-23-1999	Hoffberg et al.	
	AY	US-5,877,487	03-02-1999	Tani et al.	
	AZ	US-5,917,171	06-29-1999	Sasai	
BA	US-5,920,477	07-06-1999	Hoffberg et al.		
BB	US-5,926,214	07-20-1999	Denyer et al.		
BC	US-5,949,056	09-07-1999	White		
BD	US-5,986,297	11-16-1999	Guidash et al.		
BE	US-6,003,008	12-14-1999	Postrel et al.		
BF	US-6,017,496	01-25-2000	Nova et al.		

Examiner Signature		Date Considered	7-7-05
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¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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Sheet **2** of **3****Complete if Known**

Application Number	09/766,922
Filing Date	January 22, 2001
First Named Inventor	Robert M. Hussey
Art Unit	2626
Examiner Name	Jerome Grant II
Attorney Docket Number	283-280

U.S. PATENT DOCUMENTS						
Examiner	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
9/00	BG	US-6,119,179		09-12-2000	Whitridge et al.	
	BH	US-6,170,749 B1		01-09-2001	Goren et al.	
	BI	US-6,178,429		01-23-2001	Reddersen et al.	
	BJ	US-6,215,992 B1		04-10-2001	Howel et al.	
	BK	US-6,264,105		07-24-2001	Longacre, Jr. et al.	
	BL	US-6,276,605		08-21-2001	Olmstead et al.	
	BM	US-6,329,139 B1		12-11-2001	Nova et al.	
	BN	US-6,486,911 B1		11-26-2002	Denyer et al.	
	BO	US-6,493,029 B1		12-10-2002	Denyer et al.	
	BP	US-6,505,778 B1		01-14-2003	Reddersen et al.	
	BQ	US-6,512,218 B1		01-28-2003	Canini	
	BR	US-6,547,142 B1		04-15-2003	Goren et al.	
	BS	US-6,552,323		04-22-2003	Guidash et al.	
	BT	US-6,552,746 B1		04-22-2003	Yang et al.	
	BU	US-6,606,171 B1		08-12-2003	Renk et al.	
	BV	US-6,634,558 B1		12-21-2003	Patel et al.	
	BW	US-6,665,012 B1		12-16-2003	Yang et al.	
	BX	US-6,714,239		03-30-2002	Guidash	
	BY	US-6,732,929 B2		05-11-2004	Good et al.	
	BZ	US-6,714,665 B1		03-30-2004	Hanna et al.	
	CA	US-6,736,321 B2		05-18-2004	Tsikos et al.	
	CB	US-6,739,511 B2		05-25-2005	Tsikos et al.	
	CC	US-6,742,707 B1		06-01-2004	Tsikos et al.	
	CD	US-6,732,930 B2		05-11-2004	Massieu et al.	
	CE	US-6,832,729 B1		12-21-2004	Perry et al.	
	CF	US-6,837,432 B2		01-04-2005	Tsikos et al.	
	CG	US-6,854,649 B2		2-15-2005	Worner et al.	
	CH	US-6,857,570 B2		02-22-2005	Tsikos et al.	
	CI	US-6,858,159		02-22-2005	Lyons	
	CJ	US-6,863,216		03-08-2005	Tsikos et al.	
	CK	US-2002/0158127		10-31-2002	Hori et al.	
	CL	US-2005/0103851		05-19-2005	Zhu et al.	

Examiner
Signature

Jerome Grant II

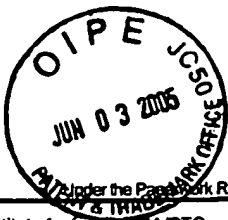
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **3** of **3**

Complete If Known

Application Number	09/766,922
Filing Date	January 22, 2001
First Named Inventor	Robert M. Hussey
Art Unit	2626
Examiner Name	Jerome Grant II
Attorney Docket Number	283-280

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	CM	JP	53-76047 Full English Translation Attached; English translation of Abstract also attached.		08-07-1978	Takeshi Gotou		<input type="checkbox"/>
	CN	WO	93/04442		03-04-1993	United Parcel Service of America, Inc.		<input type="checkbox"/>
	CO	WO	93/18478		09-16-1993	Norand Corporation		<input type="checkbox"/>
								<input type="checkbox"/>

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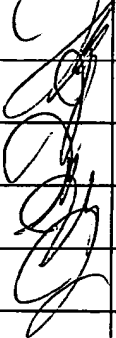
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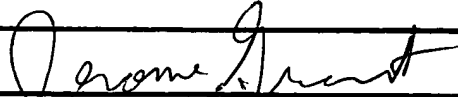
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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/766,922
		Filing Date	January 22, 2001
		First Named Inventor	Robert M. Hussey
		Art Unit	2626
		Examiner Name	Jerome Grant II
		Attorney Docket Number	283-280
Sheet	1	of	1

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CP	VVL1070 Engineering Evaluation Kit Specification, September 27, 1994, V1.1, Pages 1-5	
	CQ	MARSHALL ELECTRONICS, OPTICAL SYSTEMS DIVISION, Monochrome Monolithic Image Sensor With Analogue and Digital Outputs VVL1070 Specification, Believed to be published in 1994, Pages 1-24.	
	CR	VLSI VISION LTD., High Resolution EIA/CCIR Monochrome Monolithic Camera Specification, VVL-1060, April 1994, Pages 1-23.	
	CS	VLSI VISION LTD., Serial Interface Specification, VVL-1080, April 1994, Pages 1-9	
	CT	SONY CORPORATION, ICX084AL, Technical Specification, Believed to be published prior to January 22, 2000.	

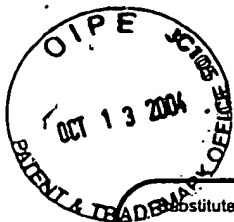
Examiner Signature		Date Considered	7-7-05
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Sheet 1 of 4

Complete if Known

Application Number	09/766,922
Filing Date	January 22, 2001
First Named Inventor	Robert M. HUSSEY et al.
Art Unit	2626
Examiner Name	Jerome Grant II
Attorney Docket Number	283-280

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U.S. PATENT DOCUMENTS

Examination	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
88	AA	3,582,884	06/08/1971	Shepard	
88	AB	3,863,762	05/16/1972	Joel, Jr.	
88	AC	3,884,888	08/15/1972	Christie et al.	
88	AD	3,723,970	03/27/1973	Stoller	
88	AE	3,906,166	09/16/1975	Cooper et al.	
88	AF	4,004,237	01/18/1977	Kratzer	
88	AG	4,041,391	08/09/1977	Deerkoski	
88	AH	4,087,847	06/27/1978	Forsen et al.	
88	AI	4,114,155	09/12/1978	Raab	
88	AJ	4,184,828	08/14/1979	Ward et al.	
88	AK	4,281,410	09/22/1981	Caples et al.	
88	AL	4,435,822	03/06/1984	Spencer et al.	
88	AM	4,445,118	04/24/1984	Taylor et al.	
88	AN	4,542,528	09/17/1985	Sanner et al.	
88	AO	4,561,089	12/24/1985	Rouse et al.	
88	AP	4,628,532	12/09/1986	Stone et al.	
88	AQ	4,836,824	01/13/1987	Ishida et al.	
88	AR	4,639,932	01/27/1987	Schiff	
88	AS	4,844,523	02/17/1987	Horwitz	
88	AT	4,848,353	02/24/1987	Tenge et al.	
88	AU	4,853,078	03/24/1987	Jerrim et al.	
88	AV	4,686,363	08/11/1987	Schoon	
88	AW	4,690,530	09/01/1987	Fujino et al.	
88	AX	4,710,817	12/01/1987	Ando	
88	AY	4,785,463	11/15/1988	Janc et al.	
88	AZ	4,791,446	12/13/1988	Ishida et al.	
88	BA	4,807,256	02/21/1989	Holmes et al.	
88	BB	4,841,544	06/20/1989	Nuytkens	
88	BC	4,901,073	02/13/1990	Kibrick	
88	BD	4,908,500	03/13/1990	Baumberger	
88	BE	5,113,445	05/12/1992	Wang	

Examiner
Signature

Jerome Grant II

Date
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		Number	Kind Code ² (if known)			
4	BF	5,138,140		08/11/1992	Siemiatkowski et al.	
4	BG	5,212,777		05/18/1993	Gove et al.	
4	BH	5,245,695		09/14/1993	Basehore	
4	BI	5,304,787		04/19/1994	Wang	
4	BJ	5,343,028		08/30/1994	Figarella et al.	
4	BK	5,345,266		09/06/1994	Denyer	
4	BL	5,378,883		01/03/1995	Batterman et al.	
4	BM	5,392,447		02/21/1995	Schlack et al.	
4	BN	5,401,949		03/28/1995	Ziemack et al.	
4	BO	5,414,251		05/09/1995	Durbin	
4	BP	5,461,425		10/24/1995	Fowler et al.	
4	BQ	5,471,515		11/28/1995	Fossum et al.	
4	BR	5,471,592		11/28/1995	Gove et al.	
4	BS	5,477,042		12/19/1995	Wang	
4	BT	5,478,997		12/26/1995	Bridgelall et al.	
4	BU	5,521,366		05/28/1996	Wang et al.	
4	BV	5,524,068		06/04/1996	Kacandes et al.	
4	BW	5,572,006		11/05/1996	Wang et al.	
4	BX	5,585,616		12/17/1996	Roxby et al.	
4	BY	5,621,203		04/15/1997	Swartz et al.	
4	BZ	5,685,959		09/09/1997	Fossum et al.	
4	CA	5,688,803		09/16/1997	Tymes et al.	
4	CB	5,672,858		09/30/1997	Li et al.	
4	CC	5,703,349		12/30/1997	Meyerson et al.	
4	CD	5,739,518		04/14/1998	Wang	
4	CE	5,773,806		06/30/1998	Longacre, Jr.	
4	CF	5,814,803		09/29/1998	Olmstead et al.	
4	CG	5,831,874		11/03/1998	Ju et al.	
4	CH	5,841,126		11/24/1998	Fossum et al.	
4	CI	5,900,613		05/04/1999	Koziol et al.	
4	CJ	5,932,882		08/03/1999	Hussey et al.	

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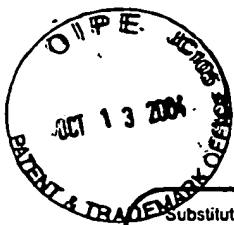
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U.S. PATENT DOCUMENTS

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Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	CK	6,123,264	09/26/2000	Li et al.	
	CL	6,155,488	12/05/2000	Olmstead et al.	
	CM	6,398,112 B1	08/04/2002	Li et al.	
	CN	2002/0135683 A1	09/26/2002	Tamama et al.	
	CO	6,462,842 B1	10/08/2002	Hamilton	
	CP	Pending U.S. Patent Application No. 10/651,298 (Attorney Docket No. 283-269 CIP)	Filed: 08/28/2003	Barber et al.	Non Final Action mailed 6-30-05
	CQ	6,637,658 B2 U.S. Publication No. 2003/0062418 A1	Published: 04/03/2003 Patented: 10/28/2003	Barber et al.	Office Action-August 22, 2002 (Attached); Office Action-January 24, 2003 (Attached); Office Action-May 6, 2003 (Attached); Issued Claims (see 6,637,358 Patent)
	CR	6,665,012 B1	12/16/2003	Yang et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	CS	EP	0 449 634	A2	10/02/1991	OMNIPANAR, INC.		<input type="checkbox"/>
	CT	WO	93/14458		07/22/1993	EASTMAN KODAK COMPANY		<input type="checkbox"/>
	CU	WO	93/17397		09/02/1993	Roustaei		<input type="checkbox"/>
	CV	WO	95/32580		11/30/1995	POLAROID CORPORATION		<input type="checkbox"/>
	CW	JP	2000- 192317	A	03/31/2000	FUJI PHOTO FILM CO., LTD.	w/Abstract	<input type="checkbox"/>

Examiner
Signature

Date

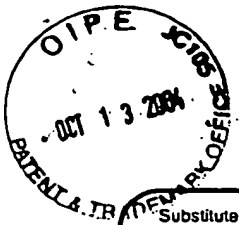
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7-7-05

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 4 of 4

Complete if Known

Application Number	09/766,922
Filing Date	January 2001
First Named Inventor	Robert M. HUSSEY et al.
Art Unit	2626 OCT 18 2004
Examiner Name	Jerome Grant II
Attorney Docket Number	283-28 Technology Center 2600

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JG	CX	JAKL, Edward A., "Why CMOS Image Sensors are Poised to Surpass CCDs," International IC '99, Conference Proceedings, pp. 64-71.	
JG	CY	TIAN, Hui et al., "Analysis of 1/f Noise in Switched MOSFET Circuits," Information Systems Laboratory, Electrical Engineering Department, Stanford University, Stanford, California 94305, 21 pp.	
JG	CZ	EL GAMAL, Professor A., Lecture Notes 1, 2, 4, 5, 6, 7, 10 and Handout #3 and #28, "Image Sensors and Digital Cameras" for EE 392B, Spring 2001.	

Examiner Signature	Jerome Grant II	Date Considered	8-7-05
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Sheet 1 of 1

Complete if Known

Application Number	09/766,922
Filing Date	January 22, 2001
First Named Inventor	Robert M. Hussey
Art Unit	2626
Examiner Name	Jerome Grant II
Attorney Docket Number	283-280

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	AA	US-Patent Application No. 10/887,207. Filed July 8, 2004. Attorney Docket No. 703-008.50.30.	Filed July 8, 2004	Longacre	Case Allowed 3/07/05
	AB	US-			
	AC	US-			
	AD	US-			
	AE	US-			
	AF	US-			
	AG	US-			
	AH	US-			
	AI	US-			
	AJ	US-			
	AK	US-			
	AL	US-			
	AM	US-			
	AN	US-			
	AO	US-			
	AP	US-			
	AQ	US-			
	AR	US-			
	AS	US-			
	AT	US-			
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² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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